

## SHARE OF IPM COMPONENTS INVOLVED IN PADDY PLANT PROTECTION AT DIFFERENT VILLAGES OF JANJGIR-CHAMPA DISTRICT IN CHHATTISGARH

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**Abstract:** The study was carried out at the prone area of different villages in Janjgir-Champa districts of Chhattisgarh. During 2009 and 2010, the Average pooled cost of IPM components involved with respect to paddy plant protection was ranged from Rs. 147.06 to 3663.14. The maximum cost of the chemical practices (Rs. 3663.14) was recorded followed by cultural practices (Rs. 851.19) and minimum (Rs. 147.06) in biological practices with the cost of share was 82.73, 19.22 and 3.32 percent, respectively. Descending order of the average cost of different practices of IPM components can be ranked as biological practices < physical practices < cultural practices < chemical practices. On the basis of information collected from the contact farmer through personal interview, some possible reasons come out which may be the maximum respondent use of chemical practices on paddy cultivation which causes several problems such as development of insecticide resistance, environmental pollution and undesirable effects on non-target organisms.

**Keywords:** Cost of paddy cultivation, Plant protection cost, Cost of IPM component, Share of IPM cost

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